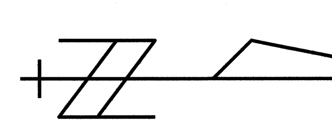
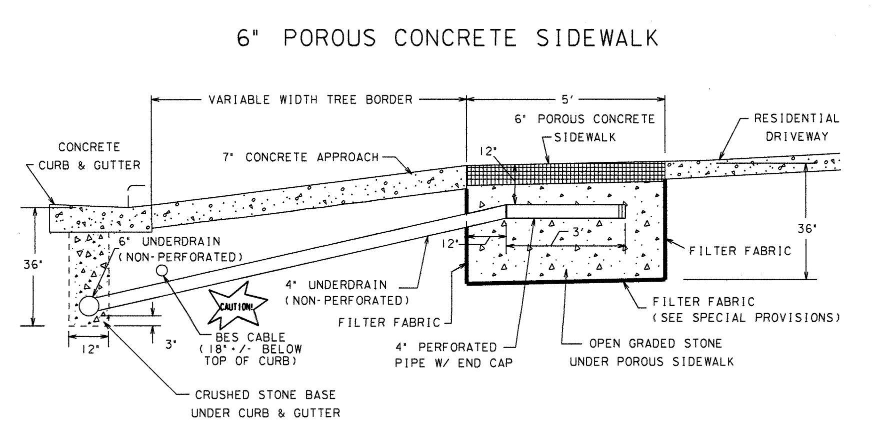


NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- CONCRETE SIDEWALK PITCH NOT TO EXCEED 0.02 FT/FT
- GRADE & SOD ENTIRE AREA BETWEEN WALK & CURB
- GRADE & PLACE 1.5' WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE DIRECTED.
- IN AREAS OF GRINDING, GRIND TO OBTAIN 0.12' MINIMUM ALONG THE CURB FLANGE, 0.17' MINIMUM AT BUTT JOINTS, AND 0.21' MINIMUM ELSEWHERE.
- [crosshatch] 6" POROUS CONCRETE WALK PANELS
- SEE UTILITY PLAN FOR LIMITS OF 6" UNDERDRAIN.

6" POROUS CONCRETE SIDEWALK



CONDITION OF CONCRETE

- B BROKEN
- BL BLUE LINED
- BP BACK PITCHED
- C CRACKED
- EP EXCESSIVE PITCH
- H HEAVED
- JF JOINT FAILURE
- MJ MUD JACKED
- P PATCHED
- PC POOR CONDITION
- S SETTLED
- SP SPALLED
- VG VERY GOOD
- VP VERY POOR

ESTIMATE / CERTIFICATE QUANTITIES

DESCRIPTION	UNIT	ASSESS.	X-ING				PLAN TOT.	PROJ. TOT.
MOBILIZATION	L.S.							
FINISHING ROADWAY	L.S.							
BARRICADING AND SIGNING	L.S.							
CUTTING	C.Y.							
ROADWAY CUTTING	C.Y.							
FILLING	C.Y.							
ROADWAY FILLING	C.Y.							
PAVEMENT REMOVAL	S.Y.							
BITUMINOUS SURFACE REMOVAL	S.Y.							
CURB &/OR CURB & GUTTER REMOVAL	L.F.							
CONC. WALK &/OR DRIVEWAY REMOVAL	S.F.							
SAWING (FULL DEPTH)	L.F.							
SAWING	L.F.							
TREES CLEARING	I.D.							
TREES GRUBBING	I.D.							
31" CONCRETE CURB & GUTTER	L.F.							
V.T. CONC. WALK &/OR DRIVEWAY	C.Y.							
5" CONCRETE WALK	S.F.							
PERVIOUS WALK	S.F.							
7" CONCRETE DRIVEWAY	S.F.							
7" CONCRETE PAVEMENT	S.Y.							
7" CONCRETE ALLEY PAVEMENT	S.Y.							
V.T. CONCRETE BASE	C.Y.							
CONCRETE BASE	S.Y.							
TACK COAT	GAL.							
BASE PREP. FOR ASPHALT SURFACE	L.S.							
V.T.ASPH.CONC.PAV'T.(MAX.)	S.Y.							
ASPH CONC PAVT TOP	TON							
ASPH CONC BINDER	TON							
6" CRUSHED STONE BASE	S.Y.							
OPEN GRADED STONE								
GRAVEL FILLING	TON							
SODDING	S.Y.							
TOPSOIL	C.Y.							
PAVEMENT GRINDING (ASPHALT)	S.Y.							
PAVEMENT GRINDING (CONCRETE)	S.Y.							
SEALING PAV'T JOINTS & CRACKS	S.Y.							
MANHOLE RINGS	EACH							
SEWER FRAME ADJUSTMENT	V.F.							
MANHOLE SEAL (CITY FURNISHED)	EACH							
EROSION CONTROL (TYPE M)	EACH							
EROSION CONTROL (TYPE R)	EACH							
GUARD BEAM TYPE II	L.F.							
4" UNDERDRAIN	L.F.							
6" UNDERDRAIN	L.F.							

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

PLAN OF: S. GRIFFIN AVE.
E. MALVERN PL. TO E. EUCLID AVE.
THIS SECTION: E. MALVERN PL. TO -/- 100 FT. NORTH OF E. OHIO AVE.

DRAWN BY	G. GUERRA	DATE: 09-15-11	PROJECT NO. ST21100136
DESCRIPTIONS BY	G. GUERRA	DATE: 09-15-11	
LEVELS BY	B. ALVEY	DATE: 08-22-11	SCALE 1"=10'
LEVELS TRANSF. BY		DATE:	1/4 SEC. 585 / ALD.DIST. 14 / SHEET 1 OF 2
DESIGNED BY	J. JANACEK	DATE: 04-22-13	OBSTRUCTIONS - SEE OBSTRUCTION LIST
GRADES TRANSF. BY	G. GUERRA	DATE: 05-06-13	REVISED: 4-11-14 POROUS WALK ADDED
CHECKED BY	[signature]	DATE: 4/29/14	REVISED:
APPROVED BY	[signature]	DATE: 4/29/14	REVISED:
FILE: V:\PWELIB\PAVING\26207.FIN			
PLOT DATE: 25-APR-2014			

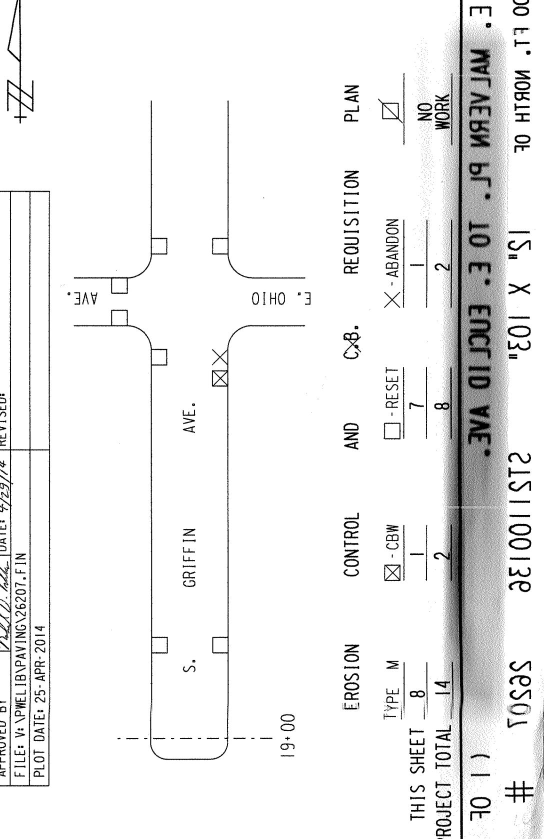
FILE NO. 332 (3300 S, 450 E)

THIS SHEET: STORM DRAINAGE UNITS C.B.W.-1 RESET-7 ABANDON-1
PROJECT IN SEPARATED AREA

EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	CBW	RESET	ABANDON
THIS SHEET	8	1	7	1
PROJECT TOTAL	14	2	8	2

NO WORK



S. GRIFFIN AVE. - E. MALVERN PL. TO -/- 100 FT. NORTH OF E. OHIO AVE. E. EUCLID AVE. 12" X 103" ST21100136 # 26207 (1 OF 2)

NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.

CONDITION OF CONCRETE
B BROKEN
BL BLUE LINED
BP BACK PITCHED
C CRACKED
EP EXCESSIVE PITCH
H HEAVED
JF JOINT FAILURE
MJ MUD JACKED
P PATCHED
PC POOR CONDITION
S SETTLED
SP SPALLED
VGC VERY GOOD
VPC VERY POOR

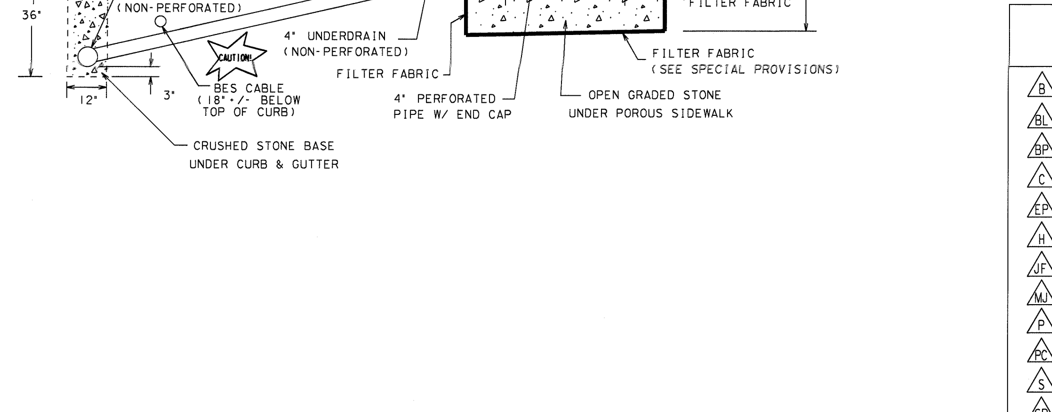
ESTIMATE / CERTIFICATE QUANTITIES

DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
MOBILIZATION	L.S.						
FINISHING ROADWAY	L.S.						
BARRICADING AND SIGNING	L.S.						
CUTTING	C.Y.						
ROADWAY CUTTING	C.Y.						
FILLING	C.Y.						
ROADWAY FILLING	C.Y.						
PAVEMENT REMOVAL	S.Y.						
BITUMINOUS SURFACE REMOVAL	S.Y.						
CURB &/OR CURB & GUTTER REMOVAL	L.F.						
CONC.WALK &/OR DRIVEWAY REMOVAL	S.F.						
SAWING (FULL DEPTH)	L.F.						
SAWING	L.F.						
TREES CLEARING	I.D.						
TREES GRUBBING	I.D.						
CONCRETE CURB & GUTTER	L.F.						
V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
7" CONCRETE DRIVEWAY	S.F.						
CONCRETE PAVEMENT	S.Y.						
7" CONCRETE ALLEY PAVEMENT	S.Y.						
V.T. CONCRETE BASE	C.Y.						
CONCRETE BASE	S.Y.						
TACK COAT	GAL.						
BASE PREP. FOR ASPHALT SURFACE	L.S.						
V.T.ASPH.CONC.PAV'T.(MAX.)	S.Y.						
CRUSHED STONE BASE							
CRUSHED GRAVEL BASE							
GRAVEL FILLING	TON						
SODDING	S.Y.						
TOPSOIL	C.Y.						
PAVEMENT GRINDING (ASPHALT)	S.Y.						
PAVEMENT GRINDING (CONCRETE)	S.Y.						
SEALING PAV'T JOINTS & CRACKS	S.Y.						
MANHOLE RINGS	EACH						
SEWER FRAME ADJUSTMENT	V.F.						
MANHOLE SEAL (CITY FURNISHED)	EACH						
EROSION CONTROL (TYPE M)	EACH						

NOTES :

- (I), (II), (III), DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- CONCRETE SIDEWALK PITCH NOT TO EXCEED 0.02 FT/FT
- GRADE & SOD ENTIRE AREA BETWEEN WALK & CURB
- GRADE & PLACE 1.5' WIDTH OF SOD IN LAWN AREAS DISTURBED BY CONSTRUCTION, UNLESS OTHERWISE DIRECTED.
- IN AREAS OF GRINDING, GRIND TO OBTAIN 0.12' MINIMUM ALONG THE CURB FLANGE, 0.17' MINIMUM AT BUTT JOINTS, AND 0.21' MINIMUM ELSEWHERE.
- 6" POROUS CONCRETE WALK PANELS
- SEE UTILITY PLAN FOR LIMITS OF 6" UNDERDRAIN.

6" POROUS CONCRETE SIDEWALK



CONDITION OF CONCRETE

- B BROKEN
- BL BLUE LINED
- BP BACK PITCHED
- C CRACKED
- EP EXCESSIVE PITCH
- H HEAVED
- JF JOINT FAILURE
- MJ MUD JACKED
- P PATCHED
- PC POOR CONDITION
- S SETTLED
- SP SPALLED
- VGC VERY GOOD
- VPC VERY POOR

ESTIMATE / CERTIFICATE QUANTITIES

	DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
X	MOBILIZATION	L.S.						
X	FINISHING ROADWAY	L.S.						
X	BARRICADING AND SIGNING	L.S.						
X	CUTTING	C.Y.						
X	ROADWAY CUTTING	C.Y.						
X	FILLING	C.Y.						
X	ROADWAY FILLING	C.Y.						
X	PAVEMENT REMOVAL	S.Y.						
	BITUMINOUS SURFACE REMOVAL	S.Y.						
X	CURB &/OR CURB & GUTTER REMOVAL	L.F.						
X	CONC.WALK &/OR DRIVEWAY REMOVAL	S.F.						
X	SAWING (FULL DEPTH)	L.F.						
X	SAWING	L.F.						
	TREES CLEARING	I.D.						
	TREES GRUBBING	I.D.						
X	31" CONCRETE CURB & GUTTER	L.F.						
	V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
X	5" CONCRETE WALK	S.F.						
X	PERVIOUS WALK	S.F.						
X	7" CONCRETE DRIVEWAY	S.F.						
X	7" CONCRETE PAVEMENT	S.Y.						
	7" CONCRETE ALLEY PAVEMENT	S.Y.						
X	V.T. CONCRETE BASE	C.Y.						
	CONCRETE BASE	S.Y.						
	TACK COAT	GAL.						
	BASE PREP. FOR ASPHALT SURFACE	L.S.						
	V.T.ASPH.CONC.PAV'T.(MAX.)	S.Y.						
	ASPH CONC PAVT TOP	TON						
	ASPH CONC BINDER	TON						
	6" CRUSHED STONE BASE	S.Y.						
X	OPEN GRADED STONE							
	GRAVEL FILLING	TON						
X	SODDING	S.Y.						
X	TOPSOIL	C.Y.						
	PAVEMENT GRINDING (ASPHALT)	S.Y.						
	PAVEMENT GRINDING (CONCRETE)	S.Y.						
	SEALING PAV'T JOINTS & CRACKS	S.Y.						
	MANHOLE RINGS	EACH						
X	SEWER FRAME ADJUSTMENT	V.F.						
X	MANHOLE SEAL (CITY FURNISHED)	EACH						
X	EROSION CONTROL (TYPE M)	EACH						
	EROSION CONTROL (TYPE R)	EACH						
X	GUARD BEAM TYPE II	L.F.						
X	4" UNDERDRAIN	L.F.						
X	6" UNDERDRAIN	L.F.						

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 132

PLAN OF: S. GRIFFIN AVE. (3300 S, 450 E)
E. MALVERN PL. TO E. OHIO AVE.
THIS SECTION: UTILITY PLAN

DRAWN BY	G. GUERRA	DATE: 09-15-11	PROJECT NO. ST21100136		SHEET 1 OF 1
DESCRIPTIONS BY	G. GUERRA	DATE: 09-15-11			
LEVELS BY	B. ALVEY	DATE: 08-22-11	SCALE 1" = 10'	1/4 SEC. 585	ALD.DIST. 14
LEVELS TRANSF. BY		DATE:			
DESIGNED BY	J. JANACEK	DATE: 04-22-13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	G. GUERRA	DATE: 05-06-13	REVISED: 4-11-14 POROUS WALK ADDED		
CHECKED BY		DATE:	REVISED:		
APPROVED BY		DATE:	REVISED:		
FILE: V:\PWELIB\PAVING\26207UTILITY.FIN					
PLOT DATE: 27-MAY-2014					

THIS SHEET
STORM DRAINAGE UNITS
C.B.W.- 1 | RESET- 7 | ABANDON- 1
PROJECT IN SEPARATED AREA

TO \ DATE	10-17-13	8/1/14
ESTIMATING	1	
HOLLOW WALKS	1	
PUBLIC HEARING	1	
CONSTRUCTION	1	6
SEWER	1	
WATER	1	
STREET LIGHTING	1	
BLDG. SEWERS	1	
MEASURING		1
FIELD		
DISTRICT FILE	2	
FORESTRY	1	
W.E. / G.O.		
WIS. GAS CO.	1	
TRANSIT SYSTEM		
CABLE TV		
UND. GRD. COND.	1	
WATER DIST.	1	
WEPCO N/S		
WEPCO S/S	1	
SEWER SERVICES		
UTILITY COOR.	1	
TRAF ENG.	1	
AM 506		6
PLAN SIZE	9' X 47"	

	EROSION	CONTROL	AND C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	X - ABANDON	☒
THIS SHEET	8	1	7	1	
PROJECT TOTAL	14	2	8	2	NO WORK

S. GRIFFIN AVE. - E. MALVERN PL. TO E. OHIO AVE.
UTILITY PLAN
9" X 47"
26207 ST21100136 (1 OF 1)